10 October 1960

Dear Kelly:

In accordance with your request at the Supplier's Meeting, we have given additional thought to the preflight preparations our system will require. We hope that the attached blueprint, summarizing the nature of and time for these activities, will permit you to propose an overall preflight countdown.

The range of times is an educated guess of the duration of each activity (after the first half dozen or dozen operations with this equipment). Whether we actually can accomplish the entire preflight in as little as 75 minutes will depend very much on the number of personnel available, the nature of facilities and equipment provided, and on system features not yet fully known. I think the 75 minutes represent an optimistic minimum, and it will only be achieved when the system is operating in a foolproof manner and the preflight operation is carried out under favorable conditions. The five hour estimate is probably a safe upper limit allowing for many adversities.

If you desire additional information, please let us know.

MDR: mb

cc: Hqs-3///

EFM

File

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	REFLIGHT		
Approved For Re	e 2001/03/22 : CIA-F	RDP67B0	00100160007-7

ITEM	THINETES	CONCURRENT HEMS
1. OBTAIN MISSION INFO & INSTRUCTIONS 2. CLEAN SLITS & CAPPING SHUTTER 3. LOAD FILM 4. INSTALL OR SERVICE HELIUM 5. INSTALL DATA CHAMBER 6. PROGRAM EXPOSURE & NOMINAL Y/h 7. CLEAN OPTICS (INCL. Y/h & HEADING SENSORS) 8. BALANCE SYSTEM & ADJUST TRIM 9. APPLY POWER & CHECK TEST POINTS	1-15 5-20 15-60 5-20 1-5 1-5 5-10	OBTAIN FILM PREPARE PROGRAMMING DATA PREPARE DATA CHAMBER AT VEHICLE: CLEAN HEADING REFERENCE CYEAN Q-BAY BORESIGHT HEADING REFERENCE \$ TIE-IN TO 165 PREPARE VEHICLE FOR SYSTEM TESTING (CAGERS, POWER.
LAB PREFLIGHT (ROUNDED)	5-40	J HOIST, ETC)
10. MOVE TO VEHICLE 11. INSTALL SYSTEM 12. VISUAL CHECKS (MOUNTING AND ELECTRICAL) 13. APPLY POWER THROUGH VEHICLE AND CHECK TEST POINTS 14. TEST OPERATOR CONTROLS 15. INSTALL HATCHES 16. START Q-BAY PURGE WITH HELIUM	1-10 5-40 1-5 5-20 5-10 5-15 1-5	CLEAN WINDOWS & SERVICE HATCH RECORD PREFLIGHT DATA
VEHICLE PREFLIGHT (ROUNDED)	25- 90 75-300	
17. DISCONNECT HELIUM	1-2	REMOVE HATCH COVERS

1-9 IN LAB
10-16 AT VEHICLE IN CLOSED AREA
17 AT RUNWAY